US Army Corps of Engineers

Hurricane Tolbert Projected Damage Areas

Landfall Expected In About 12 Hours

For Official Use Only!

Post Landfall Projected Damage Areas

This model is based on a Category 4 storm making landfall near Pompano Beach.

Forecast Track
Historic Track

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 4 storm making landfall near Pompano Beach. These projections are based on information from the NHC (1700 EDT 05/08/2007) forecast.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Projected Damage Areas	
Generated By: Siemsen, LRL 1730 EDT 05/08/2007	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 13

US Army Corps of Engineers

Hurricane Tolbert Debris Model

Landfall Expected In About **12** Hours

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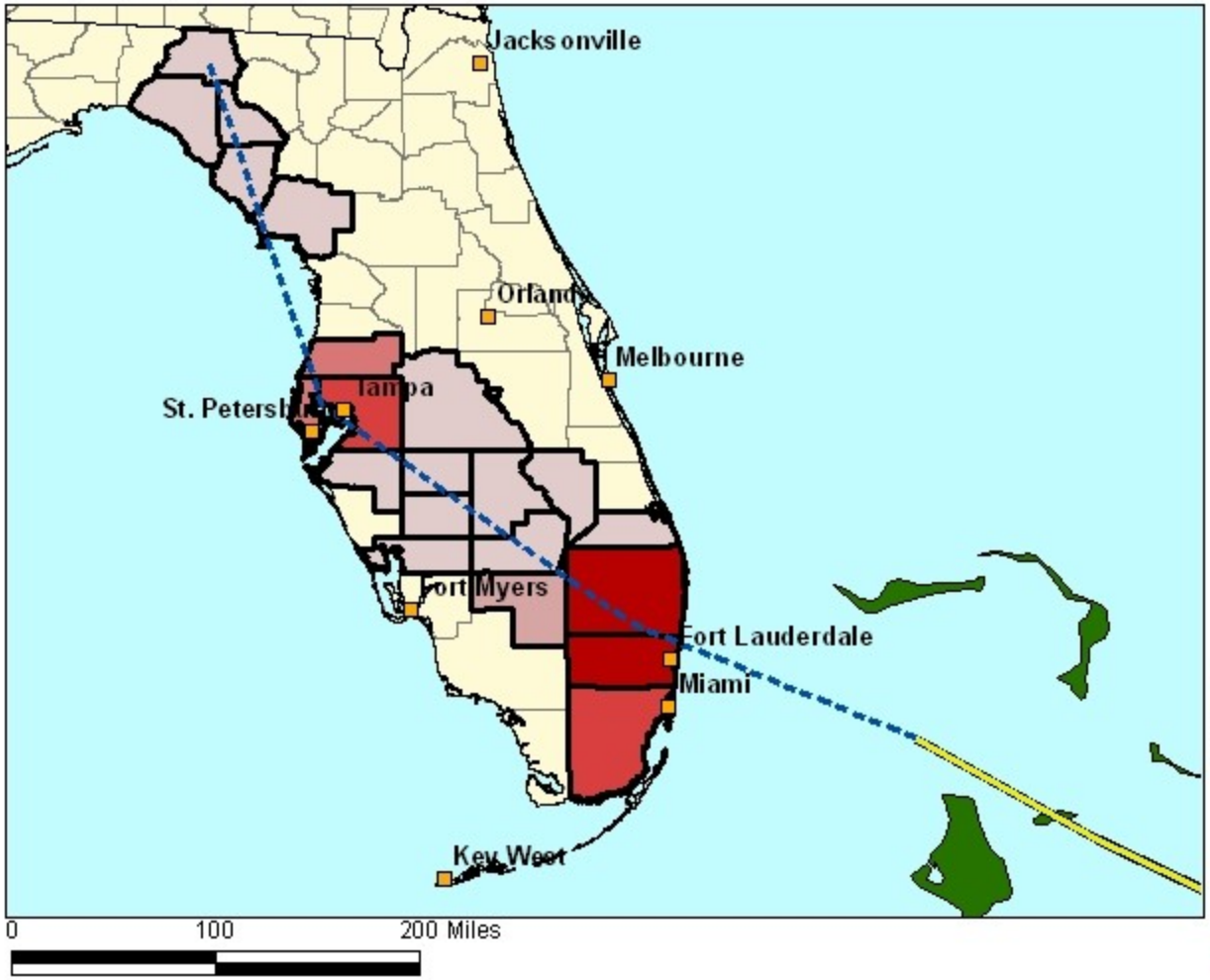

Post Landfall Debris Model Results

Florida - 78,397,000 Yards

Model results per county on following page

This model is based on a Category 4 storm making landfall near Pompano Beach.

Forecast Track
Historic Track

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 4 storm making landfall near Pompano Beach. These projections are based on information from the NHC (1700 EDT 05/08/2007) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Debris Model	
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Sources: HURREVAC LRL-DEBRIS	Page 2 of 13

US Army Corps of Engineers

Hurricane Tolbert Debris Model

Landfall Expected In About 12 Hours

For Official Use Only!

State	Yards per State	County	Yards per County
Florida		Broward	48,363,000
		Charlotte	< 1,000
		Dade	918,000
		De Soto	22,000
		Dixie	7,000
		Glades	49,000
		Hardee	35,000
		Hendry	175,000
		Hernando	< 1,000
		Highlands	63,000
		Hillsborough	959,000
		Lafayette	4,000
		Levy	2,000
		Madison	8,000
		Manatee	3,000
		Martin	< 1,000
		Okeechobee	2,000
		Palm Beach	26,983,000
		Pasco	459,000
		Pinellas	345,000
		Polk	< 1,000
		Taylor	< 1,000
Florida	78,397,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Debris Model

Generated By:
Siemsen, LRL 1730 EDT 05/08/2007

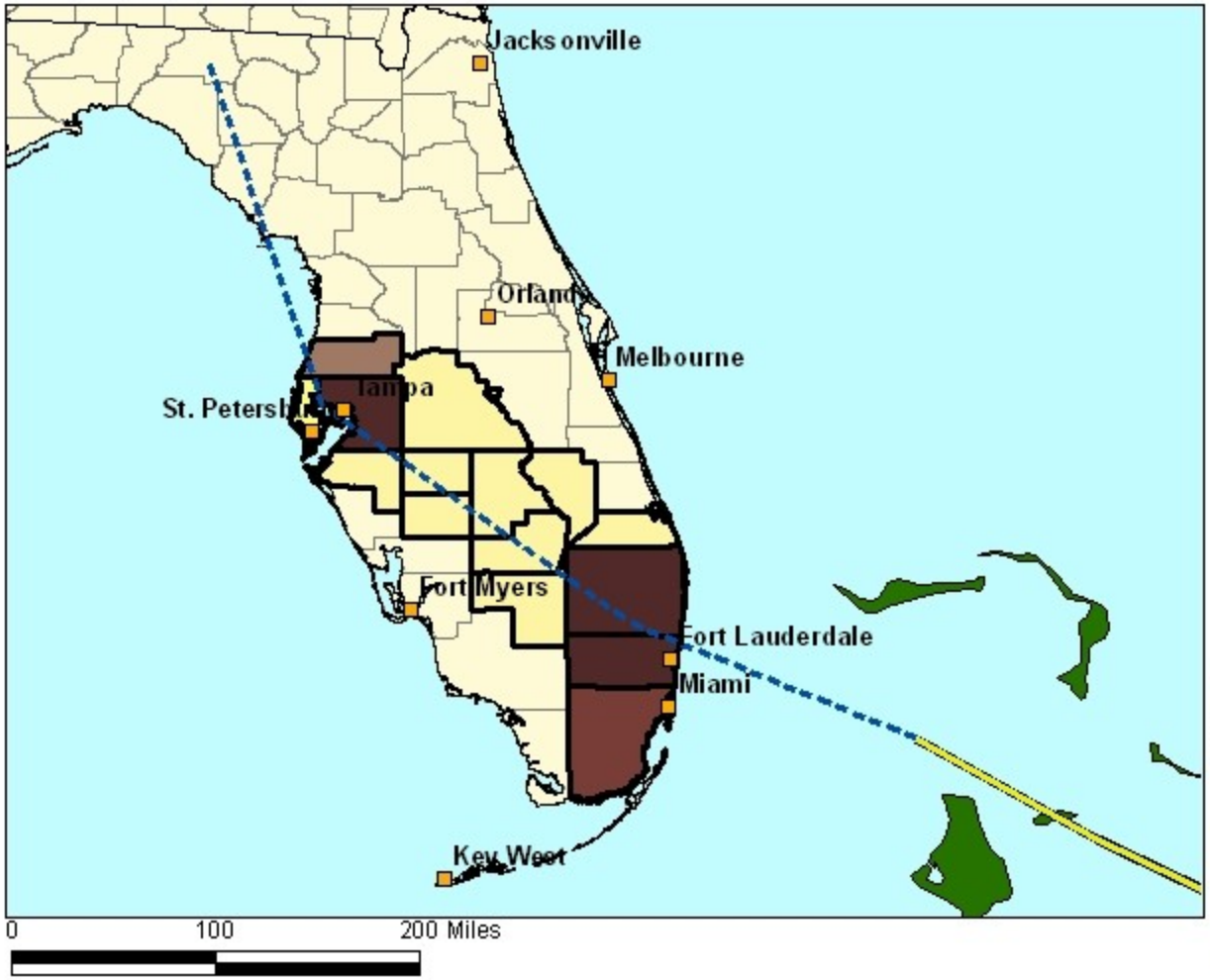
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Population Model

Landfall Expected In About **12** Hours

For Official Use Only!



Post Landfall Population Model Results

Florida - 3,475,000

Model results per county on following page

This model is based on a Category 4 storm making landfall near Pompano Beach.

Forecast Track
Historic Track

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 4 storm making landfall near Pompano Beach. These projections are based on information from the NHC (1700 EDT 05/08/2007) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Population Model	
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Sources: HURREVAC LRL-DEBRIS	Page 4 of 13

US Army Corps of Engineers

Hurricane Tolbert Population Model

Landfall Expected In About 12 Hours

For Official Use Only!

State	Population per State	County	Population per County
Florida		Broward	1,680,000
		Dade	212,000
		De Soto	5,000
		Glades	7,000
		Hardee	15,000
		Hendry	16,000
		Highlands	10,000
		Hillsborough	277,000
		Manatee	2,000
		Martin	< 1,000
		Okeechobee	< 1,000
		Palm Beach	1,044,000
		Pasco	131,000
		Pinellas	76,000
		Polk	< 1,000
Florida	3,475,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Population Model

Generated By:
Siemsen, LRL 1730 EDT 05/08/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Households Model

Landfall Expected In About **12** Hours

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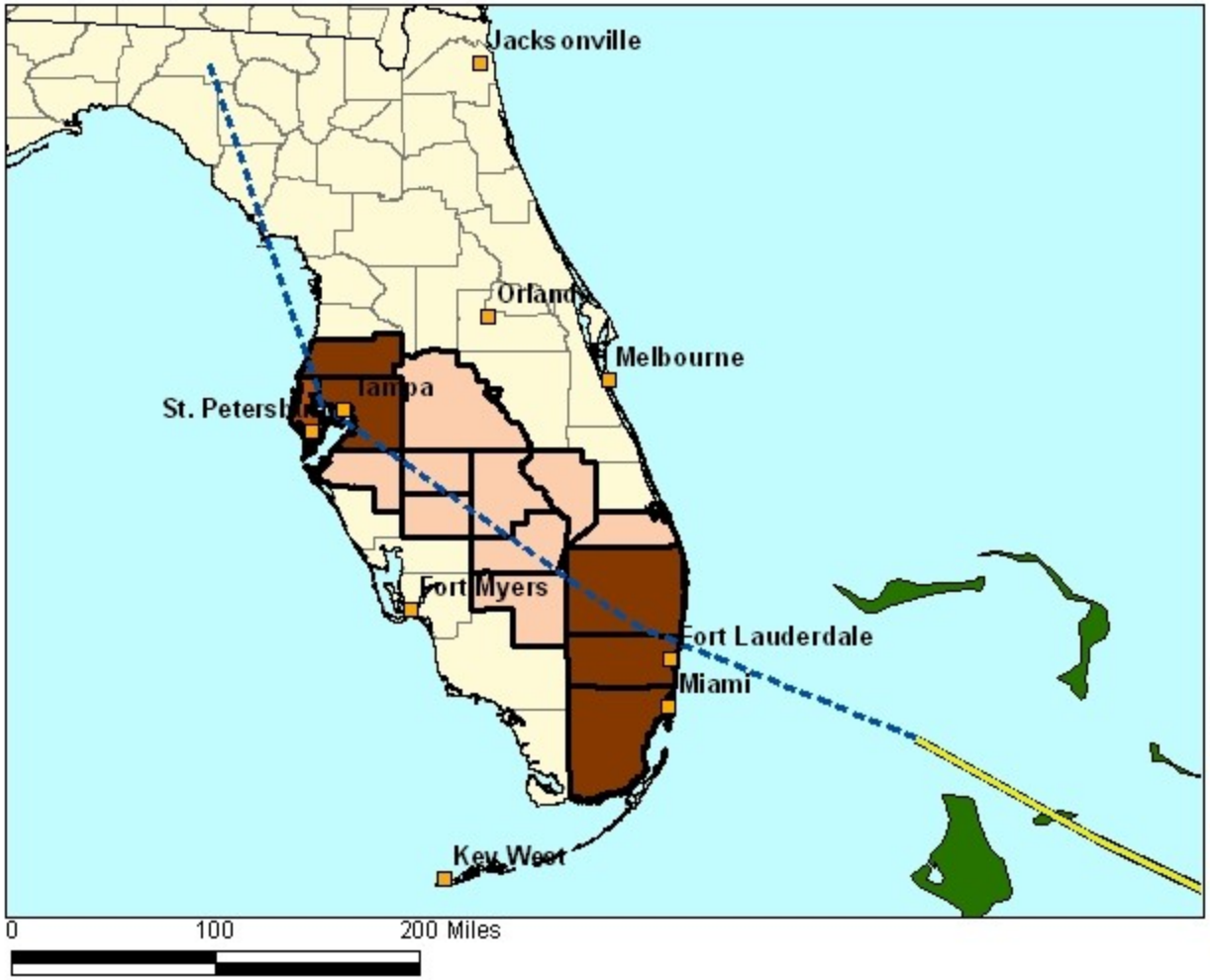

Post Landfall Households Model Results

Florida - 1,437,000

Model results per county on following page

This model is based on a Category 4 storm making landfall near Pompano Beach.

Forecast Track
Historic Track

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 4 storm making landfall near Pompano Beach. These projections are based on information from the NHC (1700 EDT 05/08/2007) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Households Model	
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Sources: HURREVAC LRL-DEBRIS	Page 6 of 13

US Army Corps of Engineers

Hurricane Tolbert Households Model

Landfall Expected In About **12** Hours

For Official Use Only!

State	Households per State	County	Households per County
Florida		Broward	684,000
		Dade	84,000
		De Soto	2,000
		Glades	3,000
		Hardee	5,000
		Hendry	6,000
		Highlands	4,000
		Hillsborough	117,000
		Manatee	< 1,000
		Martin	< 1,000
		Okeechobee	< 1,000
		Palm Beach	440,000
		Pasco	60,000
		Pinellas	32,000
		Polk	< 1,000
Florida	1,437,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Households Model

Generated By:
Siemsen, LRL 1730 EDT 05/08/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Commodities Model

Landfall Expected In About **12** Hours

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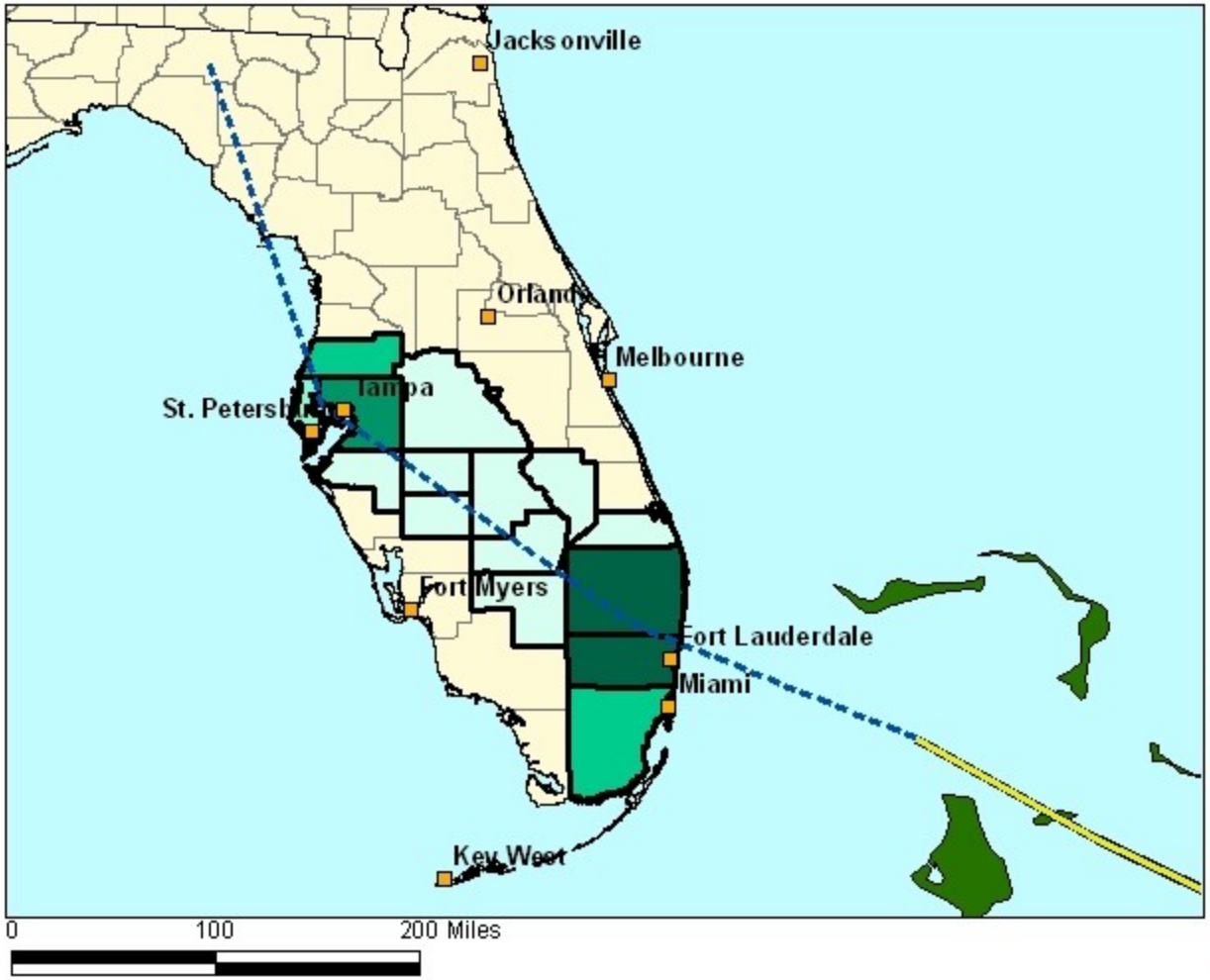

Post Landfall Ice/Water Model Results

Day One / Day Two / Day Three
FL – 50/100/288 Truckloads

Model results per county on following page

This model is based on a Category 4 storm making landfall near Pompano Beach.

Forecast Track
Historic Track

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 4 storm making landfall near Pompano Beach. These projections are based on information from the NHC ***(1700 EDT 05/08/2007)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input. The graphic represents single day needs with full distribution system in place and operating. Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Commodities Model	
Generated By: Siemsen, LRL 1730 EDT 05/08/2007	
Sources: HURREVAC LRL-DEBRIS	Page 8 of 13

US Army Corps of Engineers

Hurricane Tolbert Commodities Model

Landfall Expected In About 12 Hours

For Official Use Only!

State	Truckloads per State	County	Truckloads per County
Florida		Broward	135
		Dade	17
		De Soto	1
		Glades	1
		Hardee	2
		Hendry	2
		Highlands	1
		Hillsborough	23
		Manatee	1
		Martin	1
		Okeechobee	1
		Palm Beach	84
		Pasco	11
		Pinellas	7
		Polk	1
Florida	288		

The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system. The assumption in this scenario is that 40% of the resident population affected by the hurricane will have power outage in this area and cause a need for ice and water.

Details about this model may be obtained at **https://englink.usace.army.mil**
or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Commodities Model

Generated By:
Siemsen, LRL 1730 EDT 05/08/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Temporary Housing Model

Landfall Expected In About 12 Hours

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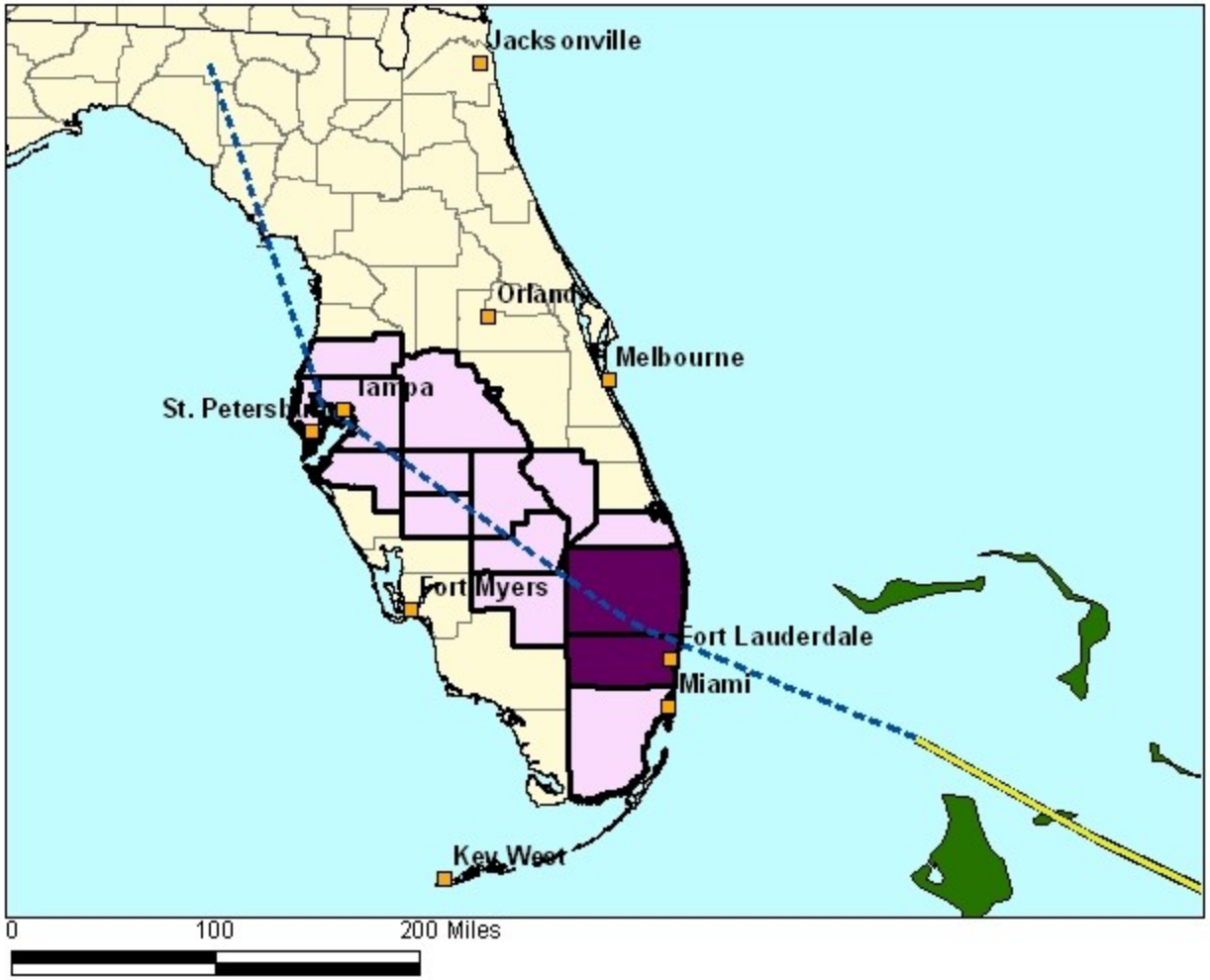

Post Landfall Temporary Housing Model Results

Florida - 58,100

Model results per county on following page

This model is based on a Category 4 storm making landfall near Pompano Beach.

Forecast Track
Historic Track

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 4 storm making landfall near Pompano Beach. These projections are based on information from the NHC (1700 EDT 05/08/2007) forecast. Temporary housing is based on 1% in CAT 1, 3% in CAT 2, 5% in CAT 3 and 8% in CAT 4.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Housing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 10 of 13

US Army Corps of Engineers

Hurricane Tolbert Temporary Housing Model

Landfall Expected In About 12 Hours

For Official Use Only!

State	per State	County	per County
Florida		Broward	35,200
		Dade	1,000
		De Soto	< 100
		Glades	< 100
		Hardee	< 100
		Hendry	200
		Highlands	< 100
		Hillsborough	1,200
		Manatee	< 100
		Martin	< 100
		Okeechobee	< 100
		Palm Beach	19,500
		Pasco	600
		Pinellas	400
		Polk	< 100
Florida	58,100		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary housing is based on 1% in CAT 1, 3% in CAT 2, 5% in CAT 3 and 8% in CAT 4.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Housing Model

Generated By:
Siemsen, LRL 1730 EDT 05/08/2007

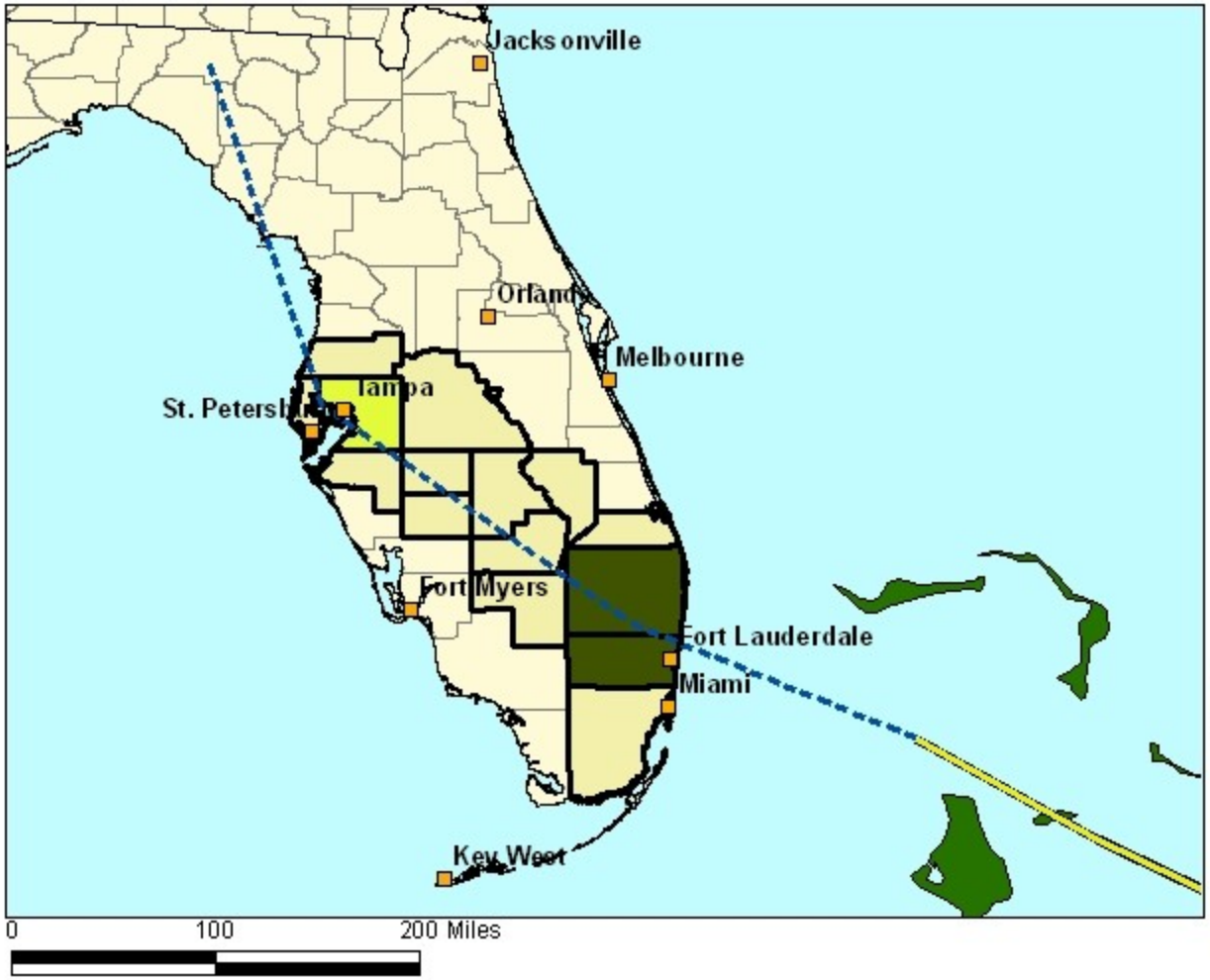
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Tolbert Temporary Roofing Model

Landfall Expected In About 12 Hours

For Official Use Only!



Post Landfall Temporary Roofing Model Results

Florida - 83,100

Model results per county on following page

This model is based on a Category 4 storm making landfall near Pompano Beach.

Forecast Track
Historic Track

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 4 storm making landfall near Pompano Beach. These projections are based on information from the NHC (1700 EDT 05/08/2007) forecast. Temporary roofing is based on 2% in CAT 1, 4% in CAT 2, 7% in CAT 3 and 11% in CAT 4.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Roofing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 12 of 13

US Army Corps of Engineers

Hurricane Tolbert Temporary Roofing Model

Landfall Expected In About 12 Hours

For Official Use Only!

State	House Units per State	County	House Units per County
Florida		Broward	49,000
		Dade	1,900
		De Soto	< 100
		Glades	< 100
		Hardee	< 100
		Hendry	300
		Highlands	200
		Hillsborough	2,400
		Manatee	< 100
		Martin	< 100
		Okeechobee	< 100
		Palm Beach	27,400
		Pasco	1,200
		Pinellas	700
		Polk	< 100
Florida	83,100		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary roofing is based on 2% in CAT 1, 4% in CAT 2, 7% in CAT 3 and 11% in CAT 4.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Tolbert Roofing Model

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Sources:
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LRL-DEBRIS